



Alliant Engineering, Inc.

January 4, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Greetings;

Thank you for taking the time to read and understand our concerns about allowing LightSquared to move to forward with broadcasting wireless broadband in radio frequency bands adjacent to those utilized for Global Positioning Systems.

For your background I have been working in Land Surveying since the early 1970's and technologies changes affecting land surveying in the past 40 years and especially the last 20 years have been significant in terms of the quality of measurement and the speed at which we are able to perform our measurements. High precision GPS allows us to obtain measurements between monuments which are miles apart to control land boundaries for the sectionalized land system (established by the Government Land Office "GLO") in a couple of hours that 20 years ago would required 20 to 30 hours of field crew time.

The change in technology comes with our investment of approximately \$100,000 which is very significant for a small firm like ours. If we are to wake up here in the next year and find our equipment useless for high precision GPS, the affects would be devastating to us and our clients in both private development and public infrastructure. This obviously would set surveyors back 20 years and will impact our clients and others who rely on our services with a significant cost increase.

We all enjoy the benefits of broadband and wireless technology and would like to see LightSquared be successful; however their research and approval of technology should not be allowed to eliminate 20 years of gains for those of us who depend on high precision GPS on daily basis to make our living. Please don't be deceived by the 99% statistic that LightSquared's service will not impact GPS. That statistic refers to cell phones with GPS, recreational GPS receivers and GPS for cars. While these devices are fun and convenient they don't provide the same benefit to our society. High precision GPS is used all over the world to better all of our lives and should not be eliminated. Please prevent LightSquared from implementing a system that will essentially eliminate high precision GPS and encourage them to work with GPS users to allow all of us to benefit from new technology.

Thank you,

Dennis Olmstead, PLS